



**US Army Corps
of Engineers®**



Lorain Harbor, OH

Harbor Features

- Located on Lake Erie in the city of Lorain, Lorain County, Ohio.
- Authorization: River & Harbor Acts of 1899, 1907, 1910, 1917, 1930, 1935, 1945, 1960, 1965 and the Water Resources Development Act of 1986.
- Deep draft commercial harbor.
- Controlling depths are 28 feet in the Outer Harbor and 27 feet in the river.
- 102nd leading U.S. port with 3.1M tons of material shipped or received in 2005.
- Lorain Harbor is ranked 25th among the Great Lakes Ports.
- Over 2.5 miles of breakwater structures.
- 60 acre Outer Harbor and 2.6 miles of Federal Channel on the Black River.
- A confined disposal facility (CDF) is located at the eastern end of the harbor.
- Major stakeholders include the Lorain Port Authority, U.S. Coast Guard, Amcor Marine, American Metal Chemical Corp., Gold Bond/U.S. Gypsum, Jonick Dock & Terminal, Lorain Tubular Co., National Gypsum Co., Republic Technologies Int., and terminal Ready Mix, Inc.

Project Needs

- Approximately 180,000 cubic yards (CY) of material must be dredged every 2-3 years.
- Recent dredging has been restricted by the limited CDF capacity. Additional dredging is needed to achieve full and safe channel dimensions in the lower river and turning basin.
- The current sediment backlog within the functional harbor areas is estimated at approximately 652K CY.
- The implementation of fill management plans will be necessary to extend the useful life of the CDF.



Consequences of Not Maintaining the Project

- Significant loss of jobs both locally and regionally.
- Light loading; loss of between 2 and 3 feet of channel depth results in increased transportation costs of between \$346K and \$897k annually.

Transportation Importance

- Major receiving and shipping port on the Great Lakes.
- Commodities shipped or received include iron ore, aggregates, limestone, chemicals, ores and minerals.
- Bulk commodities that pass through Lorain Harbor generate approximately \$33.9M annually in direct revenue which supports over 574 jobs.
- These jobs generate over \$21.2M per year in personal income.

**U.S. Army Corps of Engineers Fiscal Year (FY) 2007, 2008 and 2009
Lorain Harbor, Ohio Project Needs and President's Budget (\$1,000)**

Work Package	FY07 Need	FY07 Work Plan	FY08 Need	FY08 Budget	FY09 Need	FY09 Budget*
Project Condition Surveys	33	53			53	
Dredged Material Management Plan	250	200			200	
Structure Repair – East and West Breakwaters (F/P)	590	550			610	
Construction, CDF Maintenance	350	350			350	
Environmental Compliance (CDF Monitoring, Field)	10	10			10	
Environmental Compliance (CDF – Risk Assessment)					10	
Environmental Compliance Management					15	
Lorain CDF ERGO Compliance					50	
Maintenance Dredging – Primary Work Package	495	0	930	930	1,100	
Maintenance Dredging – Backlog Work Package					886	
E&D, CDF Maintenance			110	110		
E&D New CDF					679	
Snagging and Clearing (F/P)					45	
TOTALS	1,778	1,163	1,040	1,040	4,008	

*FY09 President's Budget will be available in February 2008